

ABSTRACT

This disclosure is directed to techniques for generating position assistance information that can be used by a subscriber unit of a wireless communication system. In accordance with this disclosure, a position determination entity (PDE), e.g., which may be coupled to one or more of the base stations, implements techniques that can improve the position assistance information, and therefore improve the ability of the subscriber unit to quickly and accurately identify its location using the positioning satellites. In particular, the PDE receives information from the subscriber unit indicative of signals detected by the subscriber unit in the wireless communication system, and then divides an area where the subscriber unit is suspected to be into a plurality of sectors. The PDE scores the sectors based on the information received from the subscriber unit, wherein a score for a respective sector indicates a likelihood that the subscriber is in the respective sector.